

## ABSTRACT OF THE DISCLOSURE

Projector has projection optical system for projecting an image onto a projection surface and optical zoom mechanism for actuating projection optical system to enlarge and reduce the image projected onto the projection surface. Projector also has distortion correcting circuit for correcting distorted quadrilateral projected images, which are projected onto the projection surface along an optical axis that is oblique vertically and horizontally to the projection surface, into respective square corrected images, zoom setting detector for detecting a zoom setting of optical zoom mechanism, and CPU for generating corrective data to be set in distortion correcting circuit based on the zoom setting detected by zoom setting detector.